

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for recovery of metals, in particular copper, from copper-bearing raw material that contains containing also other valuable metals, iron, and sulphur, the method comprising:

where leaching said raw material is leached into an aqueous solution of copper chloride and hydrochloric acid in a leaching stage; whereby iron and sulphur remain in a deposit formed in leaching, the method comprising:

adjusting a redox potential of a copper-containing raw material leach in [[a]] the leaching stage using a feed of an oxydating agent to the range of 480 – 500 mV with regard to [[an]] a Ag/AgCl electrode, whereby iron and sulphur remain in a deposit formed in leaching and the copper and other valuable metals in the copper chloride aqueous solution coming from leaching are is mainly divalent;

feeding the eupric chloride aqueous solution coming from the leaching stage to the first extraction stage of a two-stage liquid-liquid extraction stage;

separating extracting, in the first extraction stage, copper from the eupric chloride aqueous solution coming from the leaching stage in the liquid-liquid extraction stage into a first organic extraction solution while the other valuable metals remain in the aqueous solution coming from the leaching stage;

partitioning the aqueous solution coming from the first extraction stage into a first part and a second part;

feeding the first part of the aqueous solution back to the leaching stage;

neutralizing the second part of the aqueous solution;
feeding the neutralized aqueous solution into the second extraction stage;
extracting, in the second extraction stage, copper from the neutralized aqueous
solution into a second organic extraction solution while the other valuable metals
remain in the neutralized aqueous solution;
transferring the copper first and second organic solutions to a stripping stage
where copper is transferred from the organic solution into having an aqueous
solution of sulphuric acid; and
feeding the copper in the aqueous solution of sulphuric acid from the stripping
stage to an electrowinning stage for recovery of elemental copper.

2. (Currently amended) [[A]] The method according to claim 1, wherein the oxydating agent is oxygen.
3. (Currently amended) [[A]] The method according to claim 1, wherein the oxydating agent is air.
- 4-6. (Cancelled)
7. (Currently amended) [[A]] The method [[in]] according to claim [[4]] 1, wherein the extraction stages operate in parallel connection in relation to a flow of the organic solution.
8. (Currently amended) [[A]] The method according to claim 1, wherein the extraction occurs at a maximum temperature is less than or equal to about [[of]] 40°C.
9. (Currently amended) [[A]] The method according to claim 1, wherein [[an]] the aqueous solution of sulphuric acid fed to the stripping stage [[is]] comprises a return acid from the copper electrowinning stage.
10. (Currently amended) [[A]] The method according to claim 1, further comprising precipitating the other valuable metals of the copper-containing raw material from the

aqueous solution after coming from the second extraction stage using alkali hydroxide precipitation.

11. (Currently amended) [[A]] The method according to claim 1, wherein the copper-bearing raw material ~~contains precious metals such as~~ comprises gold and/or platinum group metals.
12. (Currently amended) [[A]] The method according to claim 11, further comprising precipitating the gold and/or platinum group metals in connection with precipitation of sulphur and iron, the gold and/or platinum group metals being recovered from a precipitate deposit during a sulphur flotation stage.
13. (Currently amended) [[A]] The method according to claim [[11]] 1, wherein a pH value in the ~~copper-bearing raw material~~ leaching stage is at least 1.5.
14. (Currently amended) [[A]] The method according to claim 10, wherein the other valuable metals are selected from the group consisting essentially of nickel, cobalt and zinc.
15. (New) The method according to claim 10, further comprising treating the aqueous solution coming from the precipitation step with sulphuric acid whereby hydrochloric acid is obtained; and feeding the treated aqueous solution back to the leaching stage.